Ontario

Ministry of
Northern Development
and Mines

Sean Conway, Minister of Mines

ONTARIO GEOLOGICAL SURVEY

GEOLOGICAL DATA INVENTORY FOLIO

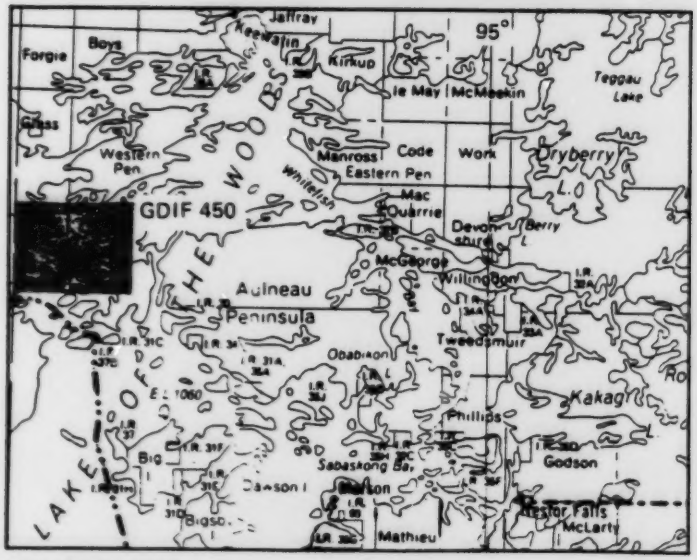
GDIF 450

MONUMENT BAY AREA

(52 E/7 NW)

DISTRICT OF KENORA

Compiled by the Staff of
the Resident Geologist's Office
Kenora



LOCATION MAP

Scale: 1:1 013 760 or 1 inch to 16 miles

89-03282/

NTS Number 52 E/7 NW.

m Map Number G - 2632 (M - 2682)

This project is part of the Canada-Ontario Mineral Development Agreement (COMDA).

STATEMENT: This inventory is unedited. Discrepancies may occur for which the Ontario Geological Survey does not assume liability. Information from this source may be quoted if credit is given. Reference to this inventory should be made as follows: Ontario Geological Survey

1988: Monument Bay Area, District of Kenora; Ontario Geological Survey, Geological Data Inventory Folio 450; compiled by the staff of the Resident Geologist's Office, Kenora, 31 pages and 2 maps.

Original Compilation by: G. Vogg

Date	Page Revised	Revised by

Date	Page Revised	Revised by

Monument Bay Area

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ACCOMPANYING MAPS

Property Location Map 1

Exploration Data Map 1

Map Scale 1: 31 680 or 1 inch to ½ mile

CONVERSION FACTORS FOR MEASUREMENTS IN ONTARIO GEOLOGICAL SURVEY PUBLICATIONS

If the reader wishes to convert imperial units to SI (metric) units or SI units to imperial units the following multipliers should be used:

CONVERSION FROM SI TO IMPERIAL			CONVERSION FROM IMPERIAL TO SI		
SI Unit	*Multiplied by*	*Gives*	*Imperial Unit*	*Multiplied by*	*Gives*
			LENGTH		
1 mm	0.039 37	inches	1 inch	**25.4**	mm
1 cm	0.393 70	inches	1 inch	**2.54**	cm
1 m	3.280 84	feet	1 foot	**0.304 8**	m
1 m	0.049 709 7	chains	1 chain	20.116 8	m
1 km	0.621 371	miles (statute)	1 mile (statute)	**1.609 344**	km
			AREA		
1 cm^2	0.155 0	square inches	1 square inch	**6.451 6**	cm^2
1 m^2	10.763 9	square feet	1 square foot	**0.092 903 04**	m^2
1 km^2	0.386 10	square miles	1 square mile	2.589 988	km^2
1 ha	2.471 054	acres	1 acre	0.404 685 6	ha
			VOLUME		
1 cm^3	0.061 02	cubic inches	1 cubic inch	**16.387 064**	cm^3
1 m^3	35.314 7	cubic feet	1 cubic foot	0.028 316 85	m^3
1 m^3	1.308 0	cubic yards	1 cubic yard	0.764 555	m^3
			CAPACITY		
1 L	1.759 755	pints	1 pint	0.568 261	L
1 L	0.879 877	quarts	1 quart	1.136 522	L
1 L	0.219 969	gallons	1 gallon	**4.546 090**	L
			MASS		
1 g	0.035 273 96	ounces (avdp)	1 ounce (avdp)	28.349 523	g
1 g	0.032 150 75	ounces (troy)	1 ounce (troy)	**31.103 476 8**	g
1 kg	2.204 62 .	pounds (avdp)	1 pound (avdp)	**0.453 592 37**	kg
1 kg	0.001 102 3	tons (short)	1 ton (short)	**907.184 74**	kg
1 t	1.102 311	tons (short)	1 ton (short)	**0.907 184 74**	t
1 kg	0.000 984 21	tons (long)	1 ton (long)	**1016.046 908 8**	kg
1 t	0.984 206 5	tons (long)	1 ton (long)	**1.016 046 908 8**	t
			CONCENTRATION		
1 g/t	0.029 166 6	ounce (troy)/ ton (short)	1 ounce (troy)/ ton (short)	34.285 714 2	g/t
1 g/t	0.583 333 33	pennyweights/ ton (short)	1 pennyweight/ ton (short)	1.714 285 7	g/t

OTHER USEFUL CONVERSION FACTORS

1 ounce (troy)/ton (short)	20.0	pennyweights/ton (short)
1 pennyweight/ton (short)	0.05	ounce (troy)/ton (short)

One gram(g) per tonne is equivalent to one part per million (1 ppm).

NOTE–Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries published by The Mining Association of Canada in co-operation with the Coal Association of Canada.

DATA SOURCES CHECK LIST

NOTE: The following sources have been searched to compile the data for this area. If no reference data was found the appropriate box is marked 'no'; if reference data was found, the box is marked 'yes'.

All reference data found are included in the following pages. If the box is blank, the data source has not yet been searched. If the box is marked N.A., the source item is Not Applicable to this area and therefore not searched.

	SOURCES OF DATA	Data	Initial
1	Resident Geologist's Office Files	YES	GV OCT 87
2	Assessment Files Research Office, Toronto		
3	ODM General Index; 7 volumes	YES	GV OCT 87
4	Catalogue of Airborne Geophysical Surveys (ODM)		
5	ODM Mineral Resources Circulars and OGS Mineral Deposits Circulars	NO	GV OCT 87
6	ODM Industrial Mineral Reports	NO	GV OCT 87
7	Bibliography of Post Precambrian Theses - Karrow (ODM MP 1)	NO	GV OCT 87
8	Bibliography of Precambrian Theses - Ginn (ODM MP 2)	NO	GV OCT 87
9	Newspaper Clippings File	NO	GV OCT 87
10	GSC Index to Publications	YES	GV OCT 87
11	OGS Index to Published Maps and Reports - MP 77 and Supplements to MP 77	YES	GV OCT 87
12	OGS Index Maps	YES	GV OCT 87
13	Source Mineral Deposit Records (O.G.S./MDIR's(O.G.S.)/NMI's(E.M.R.)	NO	GV OCT 87
14	Author - Subject Articles File		
15	Miscellaneous Papers: ODM & OGS	YES	GV OCT 87
16	ODM Geological Circulars: OGS Study Series	NO	GV OCT 87
17	ODM Preliminary Reports: ODM Bulletins	YES	GV OCT 87
18	ODM – OGS Open File Reports & Maps	YES	GV OCT 87
19	OGS Northern Ontario Engineering Geology Terrain Studies	YES	GV OCT 87
20	OGS Aggregate Resources Inventory Papers	NO	GV OCT 87
21	OGS Mineral Potential Maps	YES	GV OCT 87
22	Theses on File, Kenora	NO	GV OCT 87
23	Aerial Photos on File, Kenora	YES	GV OCT 87
24	Topographic Maps on File, Kenora		
	OBM Maps (1:20,000)	YES	GV OCT 87
	NTS Maps (1:50,000)	YES	GV OCT 87

METALS AND MINERALS REFERENCES LIST

△ anh. . . . . .Anhydrite
△ ank. . . . . .Ankerite
△ anna . . . . . Annabergite
△ ap. . . . . .Apatite
△ arg . . . . . Argentite
△ As . . . . . .Arsenic
△ asp . . . . . .Arsenopyrite
△ asb . . . . . .Asbestos
△ ba. . . . . .Barite
△ be. . . . . .Beryl
△ Bi. . . . . .Bismuth
△ bn . . . . . .Bornite
△ bran . . . . . .Brannerite
△ bruc . . . . . .Brucite
△ Cd . . . . . Cadmium
△ calc. . . . . Calcite
△ carb . . . . . .Carbonate
△ cel . . . . . .Celestite
△ cc. . . . . .Chalcocite
▲ cp. . . . . .Chalcopyrite
△ ch. . . . . .Chert
△ clay . . . . . .Clay
△ Co . . . . . Cobalt
△ cob. . . . . Cobaltite
△ cb. . . . . .Columbite
△ Cu . . . . . .Copper
△ cor . . . . . Corundum
△ dol . . . . . Dolomite
△ ep. . . . . Epidote
△ ery . . . . . Erythrite
△ fel . . . . . .Feldspar
△ fl . . . . . .Fluorite (flurospar)
△ fu. . . . . .Fuchsite
△ gn. . . . . .Galena
△ gt . . . . . .Garnet
△ goe . . . . . .Goethite
▲ Au . . . . . Gold
▲ gf . . . . . .Graphite
△ gl . . . . . Gravel
△ gyp. . . . . .Gypsum
△ hem . . . . . Hematite
△ il . . . . . .Ilmenite
△ Fe . . . . . .Iron
▲ IF. . . . . Iron Formation
△ jas . . . . . Jasper
△ kaol . . . . . .Kaolinite (kaolin)
△ ky . . . . . Kyanite
△ Pb . . . . . Lead
△ lim . . . . . Limonite
△ Li. . . . . Lithium
△ mgst . . . . . .Magnesite
▲ mag . . . . . .Magnetite
▲ mc . . . . . .Malachite
△ Mn . . . . . Manganese
△ mb . . . . . .Marble
△ mar. . . . . Marcasite
△ ma . . . . . .Marl
△ mi . . . . . Mica
△ ml . . . . . .Millerite
▲ mo . . . . . Molybdenite
△ Mo . . . . . .Molybdenum
△ mon . . . . . Monazite
△ ne. . . . . Nephelite (nepheline)
△ nc. . . . . .Niccolite
△ Ni. . . . . Nickel
△ Nb . . . . . .Niobium
△ Pd . . . . . .Palladium
△ peat . . . . . .Peat
△ pent . . . . . .Pentlandite
△ Pt. . . . . .Platinum
▲ py . . . . . .Pyrite
△ pyl . . . . . Pyrochlore
△ pyrl . . . . . .Pyrolusite
▲ po . . . . . .Pyrrhotite
△ q . . . . . Quartz
△ qcv . . . . .Quartz carbonate vein
△ ra. . . . . .Radioactive minerals
△ RE . . . . . .Rare Earths
△ sd. . . . . Sand
△ sgl . . . . . Sand and gravel
△ ss . . . . . .Sandstone
△ scap . . . . . Scapolite
△ shee . . . . . .Scheelite
△ serp . . . . . Serpentine
△ sh. . . . . Shale
△ sid . . . . . Siderite
△ si . . . . . Silica
△ Ag . . . . . .Silver
△ sl . . . . . Slate
△ sm . . . . . .Smaltite
△ sod . . . . . Sodalite
△ spec . . . . . Specularite
▲ sp. . . . . .Sphalerite
△ spd . . . . . .Spodumene
△ staur . . . . . .Staurolite
△ stib. . . . . Stibnite
△ st . . . . . .Stone
△ talc. . . . . .Talc
△ Te . . . . . .Tellurium
△ td. . . . . Tetrahedrite
△ th. . . . . .Thorite
△ Th . . . . . .Thorium
△ thuc . . . . . Thucholite
△ ti . . . . . Titanite
△ Ti. . . . . Titanium
△ tour . . . . . .Tourmaline
△ trap . . . . . Trap rock
△ W. . . . . Tungsten
△ uran . . . . . Uraninite
△ U . . . . . .Uranium
△ verm . . . . . .Vermiculite
△ Y . . . . . Yttrium
△ Zn . . . . . .Zinc
△ zr. . . . . Zircon
▲ SIF. . . . . Sulphide Iron Formation

Solid triangles indicate metal and mineral occurrences shown on the accompanying maps.
or mentioned within either Drillhole Summary or Mineral Occurrences.

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
A	Unnamed (S 289 mining location)	Au			OGS map P.281 OGS map P. 1531 OGS map 2115
B	Unnamed	py (SIF)			OGS map P.3084
C	Unnamed	py			OGS map P.3084
D	Unnamed	py (SIF)			OGS map P.3084
E	Unnamed	py			OGS MP 132, p.42 (fig.008.1),43,45 OGS map P.3084
F	Unnamed	py			OGS map P.3084
G	Unnamed	py			OGS map P.3084
H	Unnamed	po			OGS map P.3084
I	Unnamed	py,po			OGS map P.3084
J	Unnamed	py,po			OGS map P.3084
K	Unnamed	py			OGS map P.3084
L	Unnamed	py			OGS map P.3084
M	Unnamed	py			OGS map P.3084
N	Unnamed	py			OGS map P.3084

GDIF FORM NO. 1

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
O	Unnamed	py			OGS map P.3084
P	Unnamed	py			OGS map P.3084
Q	Unnamed	py			OGS map P.3084
R	Unnamed	py			OGS map P.3084
S	Unnamed	py,cp			OGS map P.3084
T	Unnamed	py			OGS map P.3084
U	Unnamed	py			OGS map P.3084
V	Unnamed	py (SIF)			OGS map P.3084 OGS MP 132, p.42(fig. 008.1),43,45
W	Unnamed	py			OGS map P.3084
X	Unnamed	py (SIF)			OGS map P.3084 OGS MP 132, p.42(fig. 008.1),43,45
Y	Unnamed	py (SIF)			OGS map P.3084 OGS MP 132, p.42(fig. 008.1),43,45
Z	Unnamed	py (SIF)			OGS map P.3084 OGS MP 132, p.42(fig. 008.1),43,45
A_1	Unnamed	py			OGS map P.3084
B_1	Unnamed	py			OGS map P.3084
C_1	Unnamed	po,py			OGS map P.3084

GDIF FORM NO. 1

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
D_1	Unnamed	py			OGS map P.3084
E_1	Unnamed	py			OGS map P.3084
F_1	Unnamed	py			OGS map P.3084
G_1	Unnamed	py			OGS map P.3084
H_1	Unnamed	py			OGS map P.3084
I_1	Unnamed	py			OGS map P.3084
J_1	Unnamed	py			OGS map P.3084
K_1	Unnamed	py			OGS map P.3084
L_1	Unnamed	py,cp,mo			OGS map P.3084
M_1	Unnamed	py			OGS map P.3084
N_1	Unnamed	py			OGS map P.3084
O_1	Unnamed	py			OGS Open File map 75
P_1	Unnamed	py			OGS Open File map 75
Q_1	Unnamed	py			OGS Open File map 75
R_1	Unnamed	po			OGS Open File map 75
S_1	Unnamed	py			OGS Open File map 75

GDIF FORM NO. 1

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
T_1	Unnamed	py,po			OGS Open File map 75
U_1	Unnamed	po			OGS Open File map 75
V_1	Unnamed	py			OGS Open File map 75
W_1	Unnamed	py			OGS Open File map 75
X_1	Unnamed	po			OGS Open File map 75
Y_1	Unnamed	po			OGS Open File map 75
Z_1	Unnamed	po			OGS Open File map 75
A_2	Unnamed	py			OGS Open File map 75
B_2	Unnamed	py			OGS Open File map 75
C_2	Unnamed	py			OGS Open File map 75
D_2	Unnamed	Au,py			OGS Open File map 75 OGS MP 137, p.40(fig. 006.1),43
E_2	Unnamed	py			OGS Open File map 75
F_2	Unnamed	py			OGS Open File map 75
G_2	Unnamed	py			OGS Open File map 75
H_2	Unnamed	py			OGS Open File map 75

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
I_2	Unnamed	py,mc			OGS Open File map 75
J_2	Unnamed	py			OGS Open File map 75
K_2	Unnamed	py			OGS Open File map 75
L_2	Unnamed	py			OGS Open File map 75
M_2	Unnamed	py			OGS Open File map 75
N_2	Unnamed	py,po			OGS Open File map 75
O_2	Unnamed	py			OGS Open File map 75
P_2	Unnamed	py,mc			OGS Open File map 75
Q_2	Unnamed	py,cp,mag			OGS Open File map 75
R_2	Unnamed	py			OGS Open File map 75
S_2	Unnamed	py			OGS Open File map 75
T_2	Unnamed	py			OGS Open File map 75
U_2	Unnamed	py			OGS Open File map 75
V_2	Unnamed	py			OGS Open File map 75
W_2	Unnamed	py			OGS Open File map 75
X_2	Unnamed	py,mc			OGS Open File map 75

GDIF FORM NO. 1

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
Y_2	Unnamed	py			OGS Open File map 75
Z_2	Unnamed	py			OGS Open File map 75
A_3	Unnamed	py,cp,mc			OGS Open File map 75
B_3	Unnamed	po,py			OGS Open File map 75
C_3	Unnamed	py			OGS Open File map 75
D_3	Unnamed	po			OGS Open File map 75
E_3	Unnamed	py			OGS Open File map 75
F_3	Unnamed	py			OGS Open File map 75
G_3	Unnamed	py			OGS Open File map 75
H_3	Unnamed	py			OGS Open File map 75
I_3	Unnamed	py			OGS Open File map 75
J_3	Unnamed	po			OGS Open File map 75
K_3	Unnamed	po			OGS Open File map 75
L_3	Unnamed	py			OGS Open File map 75
M_3	Unnamed	py,po			OGS Open File map 75
N_3	Unnamed	py			OGS Open File map 75

GDIF FORM NO. 1

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
O_3	Unnamed	py,po			OGS Open File map 75
P_3	Unnamed	py			OGS Open File map 75
Q_3	Unnamed	py			OGS Open File map 75
R_3	Unnamed	py			OGS Open File map 75
S_3	Unnamed	po			OGS Open File map 75
T_3	Unnamed	py,po			OGS Open File map 75
U_3	Unnamed	py			OGS Open File map 75
V_3	Unnamed	py			OGS Open File map 75
W_3	Unnamed	py			OGS Open File map 75
X_3	Unnamed	py			OGS Open File map 75
Y_3	Unnamed	py			OGS Open File map 75
Z_3	Unnamed	py			OGS Open File map 75
A_4	Unnamed	py			OGS Open File map 75
B_4	Unnamed	py			OGS Open File map 75
C_4	Unnamed	py			OGS Open File map 75
D_4	Unnamed	py			OGS Open File map 75

GDIF FORM NO. 1

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
E_4	Unnamed	py			OGS Open File map 75
F_4	Unnamed	po			OGS Open File map 75
G_4	Unnamed	py,po			OGS Open File map 75
H_4	Unnamed	py			OGS Open File map 75
I_4	Unnamed	py			OGS Open File map 75
J_4	Unnamed	py			OGS Open File map 75
K_4	Unnamed	py			OGS Open File map 75
L_4	Unnamed	py			OGS Open File map 75
M_4	Unnamed	py			OGS Open File map 75
N_4	Unnamed	py			OGS Open File map 75
O_4	Unnamed	py			OGS Open File map 75
P_4	Unnamed	py			OGS Open File map 75
Q_4	Unnamed	po			OGS Open File map 75
R_4	Unnamed	po			OGS Open File map 75
S_4	Unnamed	py			OGS Open File map 75
T_4	Unnamed	py			OGS Open File map 75

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
U_4	Unnamed	py			OGS Open File map 75
V_4	Unnamed	py			OGS Open File map 75
W_4	Unnamed	py			OGS Open File map 75
X_4	Unnamed	py			OGS Open File map 75
Y_4	Unnamed	py			OGS Open File map 75
Z_4	Unnamed	py			OGS Open File map 75
A_5	Unnamed	py			OGS Open File map 75
B_5	Unnamed	py			OGS Open File map 75
C_5	Unnamed	py			OGS Open File map 75
D_5	Unnamed	py			OGS Open File map 75
E_5	Unnamed	py			OGS Open File map 75
F_5	Unnamed	po			OGS Open File map 75
G_5	Unnamed	po			OGS Open File map 75
H_5	Unnamed	po			OGS Open File map 75
I_5	Unnamed	py			OGS Open File map 75
J_5	Unnamed	py			OGS Open File map 75

GDIF FORM NO. 1

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
K_5	Unnamed	py			OGS Open File map 75
L_5	Unnamed	Au,py,mc			OGS Open File map 75 OGS MP 137, p.40(fig.006.1),43
M_5	Unnamed	py			OGS Open File map 75
N_5	Unnamed	py			OGS Open File map 75
O_5	Unnamed	py (SIF)			OGS map P.3084 OGS MP 132, p.42,43,45

GDIF FORM NO. 1

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
COMPANY/AUTHOR (file number)																				
1	Hudson Bay Exploration & Development Co. Ltd. 52 E/7 NW; A-1				75															
2	Hudson Bay Exploration & Development Co. Ltd. 52 E/7 NW; A-2				75															
3	Hudson Bay Exploration & Development Co. Ltd. 52 E/7 NW; A-3				75															
4	Hudson Bay Exploration & Development Co. Ltd. 52 E/7 NW; A-4				75															
5	Hudson Bay Exploration & Development Co. Ltd. 52 E/7 NW; A-5				75															
6	Hudson Bay Exploration & Development Co. Ltd. 52 E/7 NW; A-6												75							

GDIF FORM NO. 2

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
COMPANY/AUTHOR (file number)																				
7	Kennco Exploration (Canada) Ltd. 52 E/7 NW; B-1											70								
8	Phelps Dodge Corp. of Canada Ltd. 52 E/7 NW; C-1				70															

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden (ft.)	Total Length of Hole (ft.)	Mineralization Noted in Log	Assay Data Included for
1	Hudson Bay Exploration & Development Co. Ltd.	M-1	Jan/75	N40°W	-45°	23.0	315.0	po,py	sampled, but no assays available.
2	Hudson Bay Exploration & Development Co. Ltd.	M-3	Mar/75	N40°W	-45°	8.0	378.0	po,py	sampled, but no assays available.
3	Hudson Bay Exploration & Development Co. Ltd.	L-1	Jan-Feb /75	N50° W	-45°	46.0	307.0	py,po,gf	sampled, but no assays available.
4	Hudson Bay Exploration & Development Co. Ltd.	K-1	Feb/75	000°	-45°	6.0	247.0	py,po,gf	sampled, but no assays available.
5	Hudson Bay Exploration & Development Co. Ltd.	K-2	Feb/75	000°	-45°	8.0	252.0	po,py,cp,gf	sampled, but no assays available.
6	Hudson Bay Exploration & Development Co. Ltd.	K-3	Feb/75	000°	-45°	16.0	278.0	py,po	sampled, but no assays available.
7	Hudson Bay Exploration & Development Co. Ltd.	K-4	Feb/75	000°	-45°	12.0	347.0	po,py,cp,gf	sampled, but no assays avaiable.

GDIF FORM NO. 3

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden (ft.)	Total Length of Hole (ft.)	Mineralization Noted in Log	Assay Data Included for
8	Hudson Bay Exploration & Development Co. Ltd.	K-5	Feb/75	000°	-45°	44.0	357.0	py,po,gf	sampled, but no assays available.
9	Hudson Bay Exploration & Development Co. Ltd.	K-7	Feb-Mar /75	000°	-45°	12.0	419.0	py,po,sp,cp,gf	sampled, but no assays available.
10	Phelps Dodge Corp. of Canada Ltd.	4Ea	Sept/70	S	-45°	11.0	306.0	py,po,cp,IF (mag),gf	

GDIF FORM NO. 3

Monument Bay Area

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for

GDIF FORM NO. 3

AIRBORNE GEOPHYSICAL SURVEY DATA

No.	By / For	Type of Survey	Flight Altitude	Flight Line Direction	Flight Line Spacing
	No data on file as of October, 1987.[1]				

[1] 1972 airborne (EM?) geophysical survey for Hudson Bay Exploration & Development Co. Ltd. referenced in report (52 E/7 NW; A-6) - not submitted for assessment.

GDIF FORM NO. 4

Map Sample Site Reference Number	GEOCHEMICAL SURVEY DATA		By	Reference
	Type of Survey	Analysis For		
	No data on file as of October, 1987.			

GDIF FORM NO. 5

MISCELLANEOUS DATA

AGE DATING

Site	Method	Material	Reference	Result

No data on file for this area as of October, 1987.

Age dating is available for adjacent areas. Refer to OGS OFR 5592 accompanied by OGS map P.2843.

GDIF FORM NO.5

NEWSPAPER CLIPPINGS FILE

NOTE: A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional/Resident Geologist's Office.

Kenora

No data on file as of October, 1987.

ODM GENERAL INDEX SEARCH

Words searched: Bishop Bay, Bishop Point Island, Bukete Island, Cochrane Island, Falcon Island, Hudson Bay Exploration & Development Co. Ltd., Kennco Exploration (Canada) Ltd., Lily Island, Mason Lake, Monument Bay, Phelps Dodge Corp. of Canada Ltd., Reid Lake, Royal Island, Separation Point, Windigo Island.

Index Volume	Listing:	Report Volume	Part	Page
1	Falcon Island, Lake of the Woods			
	Rocks	7	1	117
3	Bishop Point, Lake of the Woods			
	Pillow lava near, photo	45	3	7
	Structure	45	3	23
	Monument Bay, Lake of the Woods			
	Rocks	39	3	51
	See also map 39e, to accompany ODM Vo.39, pt.3	39	3	
	Royal Island, Lake of the Woods			
	Rocks	39	3	46,47

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page

Monument Bay Area

GDIF FORM NO. 8

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		REGIONAL COMPILATION MAPS		
Ayres, L. D., Lumbers, S. B., Milne, V. G., Robeson, D. W.	1971	Ontario Geological Map, West-Central Sheet	ODM map 2199	1" to 16 miles (1:1,013,760)
Beakhouse, G. P.	1980	Geology, Winnipeg River-English River Area, Manitoba and Ontario, map and notes	GSC Open File 652	1:125,000
Bell, R.	1881	Geological Map of Lake of the Woods and Adjacent Country	GSC map No.161	1" to 4 miles (1:253,440)
Blackburn, C. E.	1981	Kenora-Fort Frances Sheet, Kenora and Rainy River Districts. Geological Compilation Series	OGS map 2443	1" to 4 miles (1:253,440)
Davies, J. C.	1965	Lake of the Woods Sheet, District of Kenora	ODM map P.281	1" to 2 miles (1:126,720)
Davies, J. C., Pryslak, A. P.	1967	Kenora-Fort Frances Sheet, Kenora and Rainy River Districts. Geological Compilation Series	ODM map 2115	1" to 4 miles (1:253,440)
Easton, R. M.	1986	Geochronology Compilation Map for Ontario Sheet 4, West-Central Ontario, All Isotopic Systems	OGS map P.2843	1" to 16 miles (1:1,013,760)
Lawson, A. C.	1887	Geologic and Topographical Map of the Northern Part of the Lake of the Woods and Adjacent Country	GSC map No.227	1" to 2 miles (1:126,720)
Morrice, M. G., Wilson, H. D. B.	1980	Volcanic Stratigraphy of the Kenora-Dryden Area, Ontario, maps and notes	GSC Open File 695	1:250,000

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		REGIONAL COMPILATION MAPS		
OGS	1985	Ontario Mineral Map	OGS map 2472	1" to 25 miles (1:1,584,000)
OGS	986	Geological Highway Map, Northern Ontario	OGS map 2506	1:1,600,000
Tanton, T. L.	1939	Kenora Sheet, Ontario. Canada Department of Mines and Resources	GSC map No.266A	1" to 8 miles (1:506,880)
		GEOPHYSICAL MAPS		
GEO-ANALYSIS LTD.	1981	The Identification of Structural Linears from Landsat Imagery in Northwestern Ontario. Energy, Mines and Resources Canada, Earth Physics Branch, Seismological Service of Canada	OF 82-12 (Image 3125, Map 1)	1:250,000
ODM-GSC	1962	Falcon Island, Ontario. NTS Sheet 52 E/7, Geophysics Paper 1185, Aeromagnetic Series	ODM-GSC map 1185G	1" to 1 mile (1:63,360)
OGS-GSC	1977	Airborne Gama-Ray Spectrometry Survey, Kenora Sheet, Districts of Kenora and Rainy River, Geophysical Series	Preliminary Maps P.1355 - P.1384	1" to 4 miles (1:253,440)
GSC	1984	Airborne Gama-Ray Spectrometric Maps, Lake of the Woods, Manitoba-Ontario (Sheet 35552G)	GSC Open File 1067	1:1,000,000

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		SURFICIAL, PLEISTOCENE, TERRAIN ENGINEERING		
Hallett, D. R., Reed, M. A.	1980	Northwest Angle Area, Districts of Kenora and Rainy River. Northern Ontario Engineering Geology Terrain Study. Accompanied by Map 5056	OGS NOEGTS 36	1:1,000,000
Sado, E. V., Carswell, B. F.	1987	Surficial Geology of Northern Ontario	OGS map 2518	1:1,200,000
Zoltai, S. C.	1965	Surficial Geology, Kenora-Rainy River. Ontario Department of Lands and Forests	map S 165	1" to 8 miles (1:506,880)
		MINERAL POTENTIAL MAPS		
Robertson, J. A., Vos, M. A., Springer, J. S.	1976	Mineral Potential Map of Ontario, West-Central Sheet, Mineral Deposits Series	ODM map P.1098	1" to 16 miles (1:1,013,760)
Springer, J. S.	1978	Ontario Mineral Potential, Kenora Sheet. Mineral Deposits Series	OGS map P.1531	1:250,000
Springer, J. S., Robertson, J. A., Vos, M. A.	1982	Mineral Potential Map of Ontario, West-Central Sheet (Accompanied by one overlay)	OGS OFR 5326	1" to 16 miles (1:1,013,760)

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		GEOLOGICAL REPORTS AND MAPS		
Bell, R.	1883	Appendix II on the Geology of the Lake of the Woods and Adjacent Country. Accompanied by GSC map No.161	GSC, Report of Progress 1880-82, Vol.7	1" to 4 miles
Blackburn, C. E., Bond, W. D., Breaks, F. W., Davis, D. W., Edwards, G. R., Poulsen, K. H., Trowell, N. E., Wood, J.	1985	Evolution of Archean Volcanic-Sedimentary Sequences of the Western Wabigoon Subprovince and its Margins: A Review; in Evolution of Archean Supracustal Sequences, GAC Special Paper 28, edited by Ayres, L. D., Thurston, P. C., Card, K. D., Weber, W.	GAC Special Paper	p.89-116
Goodwin, A. M.	1965	Preliminary Report of Volcanism and Mineralization in the Lake of the Woods-Manitou Lake-Wabigoon Region of Northwestern Ontario. Accompanied by map "Structural Geology of the Lake of the Woods-Manitou Lake-Wabigoon Region, Districts of Kenora and Rainy River	ODM PR 1965-2	1" to 4 miles (1:253,440) 63 pages
Goodwin, A. M.	1970	Archean Volcanic Studies in the Lake of the Woods-Manitou Lake-Wabigoon Region of Northwestern Ontario	ODM OFR 5042	47 pages
Greer, L.	1931	Geology of the Shoal Lake (West) Area; in Ontario Department of Mines Annual Report for 1930. Accompanied by map 39e "Shoal Lake Area, Lake of the Woods, District of Kenora, Ontario"	ODM AR Vol.39 Part 3	1" to 1 mile (1:63,360) p.42-56

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		GEOLOGICAL REPORTS AND MAPS		
Lawson, A. C.	1885	Report on the Geology of the Lake of the Woods Region with Special Reference to the Keewatin (Huronian?) Belt of Archean Rocks; in Geological Survey of Canada Annual Report for 1884 and 1885.	GSC AR Vol.1, Part CC	151 pages
Mackasey, W. O., Blackburn, C. E., Trowell, N. F.	1974	A Regional Approach to the Wabigoon-Quetico Belts and its Bearing on Exploration in Northwestern Ontario	ODM MP 58	29 pages
Morrice, M. G.,	1986	Geology of the Northwest Angle Inlet Area, Lake of the Woods, District of Kenora; in Summary of Field Work and Other Activities, 1986	OGS MP 132	p.41-46
Morrice, M. G., MacMaster, G. A.	1987	Precambrian Geology of the Northwest Angle Inlet Area, District of Kenora	OGS map P.3084	1" to 1/4 mile (1:15,840)
Morrice, M. G., MacMaster, G. A.	1987	Geology of the Monument Bay Area, Lake of the Woods, District of Kenora; in Summary of Field Work and Other Activities, 1987	OGS MP 137	p.39-44
Morrice, M. G., MacMaster, G. A.	1987	Precambrian Geology of the Monument Bay Area, Lake of the Woods, District of Kenora	OGS OFM 75	1" to 1/4 mile (1:15,840)
Riley, R. A., King, H. L., Kustra, C. R.	1971	Mineral Exploration Targets in Northwestern Ontario	ODM MP 47	72 pages
Thomson, J. E.	1937	Geology of the North Central Part of the Lake of the Woods; in Ontario Dept. of Mines Annual Report for 1936. Accompanied by map 45b "North Central Part of the Lake of the Woods, District of Kenora, Ontario"	ODM AR Vo.45, Part 3	p.1-43

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages

GDIF FORM NO. 9

NOTES AND ADDENDA

AERIAL PHOTOGRAPH INDEX

(compiled from index maps only)

	Roll	Line	Photo Numbers
1982, scale 1" to 1/4 mile (OGS)			
	63	4916	59 - 66
	47	4916	175 - 180
	19	4917	68 - 80
	19	4918	146 - 159
	21	4919	10 - 22
	24	4920	38 - 50
	24	4921	110 - 122
1974, scale 1" to 1 mile (EMR)			
	A23707		173 - 177*
	A23700		113 - 118*
1949, scale 1" to 1/4 mile			
	16	4919	177 - 181 (odd nos. only)*
	17	4020	46 - 50 (even nos. only)*
	17	4921	167 - 171 (odd nos. only)*
	18	4922	37 - 41 (odd nos. only)*
	18	4923	155 - 159 (odd nos. only)*

* Photographs on file in Resident Geologist's Office, Kenora.

TOPOGRAPHIC MAPS

Ontario Base Map Series (scale 1:20,000)

20	15	3700	54700
20	15	3700	54800
20	15	3700	54700
20	15	3700	54800
20	15	3700	54700
20	15	3700	54800

National Topographic System (scale 1:50,000)

52 E/7 Falcon Island Sheet

MINERAL DEPOSITS FILE

No data currently on file for this area (52 E/7 NW)

GDIF FORM NO.10

49°30'00"

95°00'00"

Shoal L

Mason L

Reid L

Outer Bay

I.R. NO. 31B

Separation Pt

Monument Bay

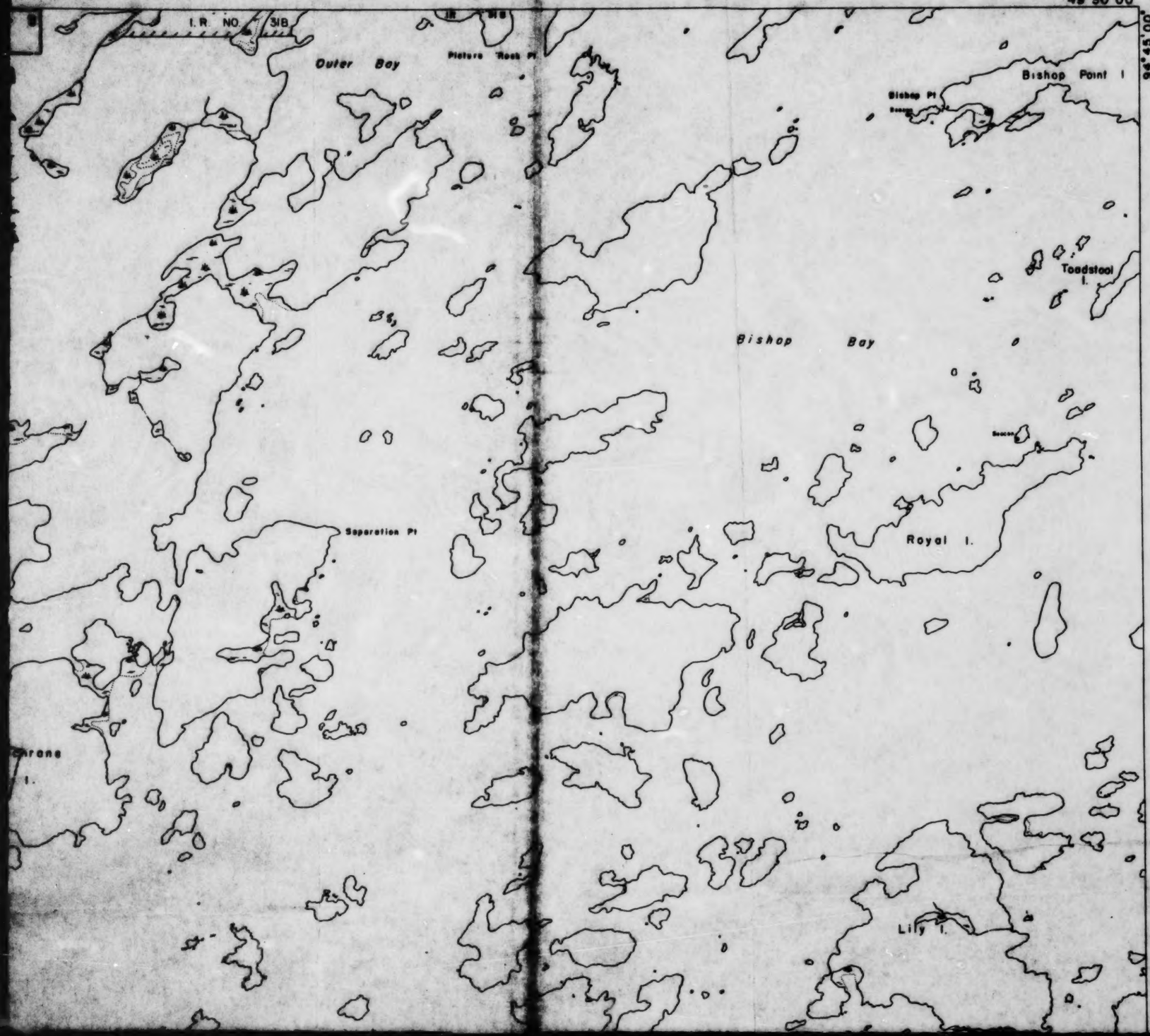
Cochrane I.

6

3

2

Lake



Ministry of Northern Development and Mines

Ontario

Sean Conway, Minister of Mines

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 450

(Map 1 of 2)

MONUMENT BAY AREA

DISTRICT OF KENORA

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

Monument Bay

Cochrane I.

Lake of the

Northwest Angle

IR No 33B

Long I.

Onion I.

Windigo Is.

IR No.37

IR No 31C

Buckets I.

95°00'00"

49°22'30"

6

3

2

4

2

2

2

1,3

of

the

Woods

Lily I.

Johnson Passage

Falcon

Island

Windigo Is.

IR No.37

7

94°45'00"

49°22'30"

EXPLORATION DATA FILE AREAS

Reference number is always inside work area outlined. See listing in text pages.

Small area of exploration

File covers whole township or area

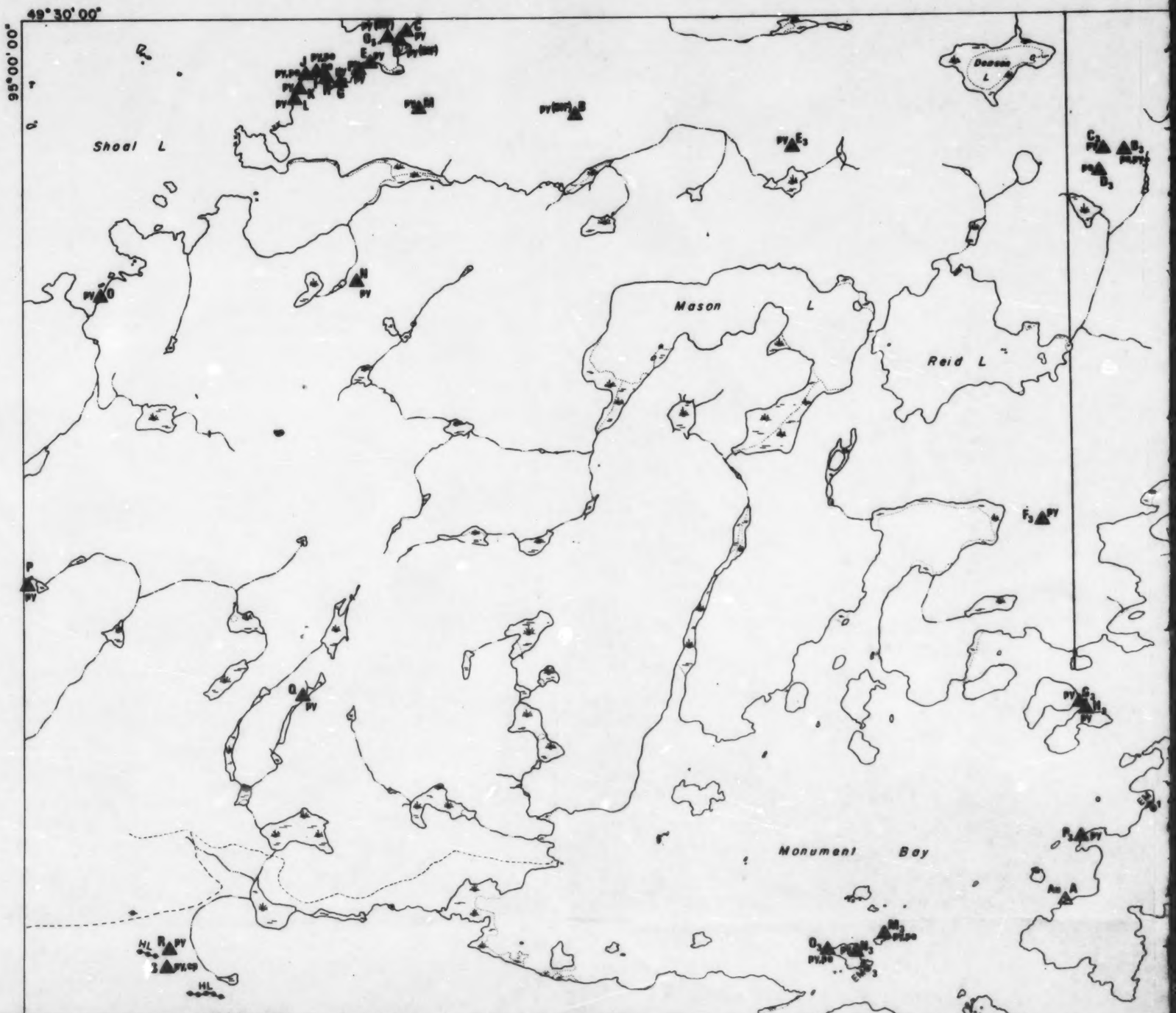
TYPES OF DATA SHOWN ON THIS MAP

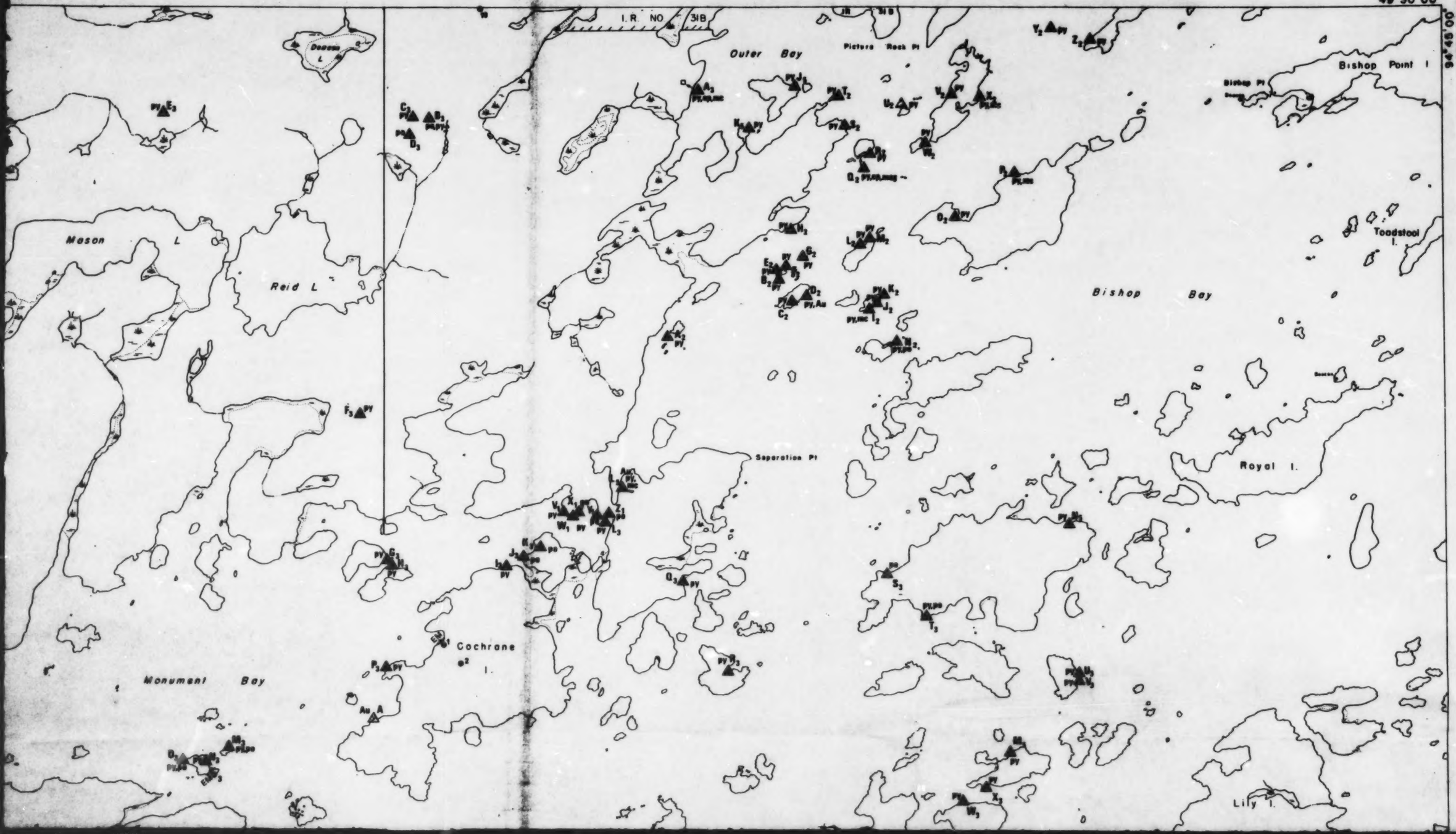
GEOCHEMICAL AND GEOCHRONOLOGICAL DATA

- ☐ ◆³ — Geochemical sample site, with reference number
- ☐ ◆³ — Area of geochemical sampling, with reference number
- ☐ ✳² — Age dating material sampling site, with reference number

GEOPHYSICAL ANOMALIES

- ☐ —AM— Airborne magnetic anomaly
- ☐ Airborne electromagnetic anomaly Length of anomaly along flight line
- ☐ Airborne electromagnetic anomaly Location of anomaly along flight line
- ☐ Airborne electromagnetic anomaly Conductor axis: definite, probable, possible
- ☐ —ARA— Airborne radiometric anomaly
- ■ —M— Ground magnetic anomaly
- ■ —VL— Ground electromagnetic anomaly (VL - Vertical loop; HL - Horizontal loop VLF - Very low freq.; Turam; JEM - Crone Em - 16); EM - method unknown.
- ☐ —RA— Ground radiometric anomaly
- ☐ —IP— Induced polarization anomaly
- ☐ —SP— Self potential anomaly




49°30'00"
49°45'00"
I. R. NO 31B
Outer Bay
Picture Rock Pt
Bishop Point
Bishop Pt
Toadstool I.
Bishop Bay
Royal I.
Lily I.
Separation Pt
Cochrane I.
Monument Bay
Mason L
Reid L
Deacon L

Ministry of
Northern Development
and Mines

Ontario

Sean Conway, Minister of Mines

ONTARIO GEOLOGICAL SURVEY

EXPLORATION DATA MAP

GEOLOGICAL DATA INVENTORY FOLIO 450

(Map 2 of 2)

MONUMENT BAY AREA

DISTRICT OF KENORA

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES

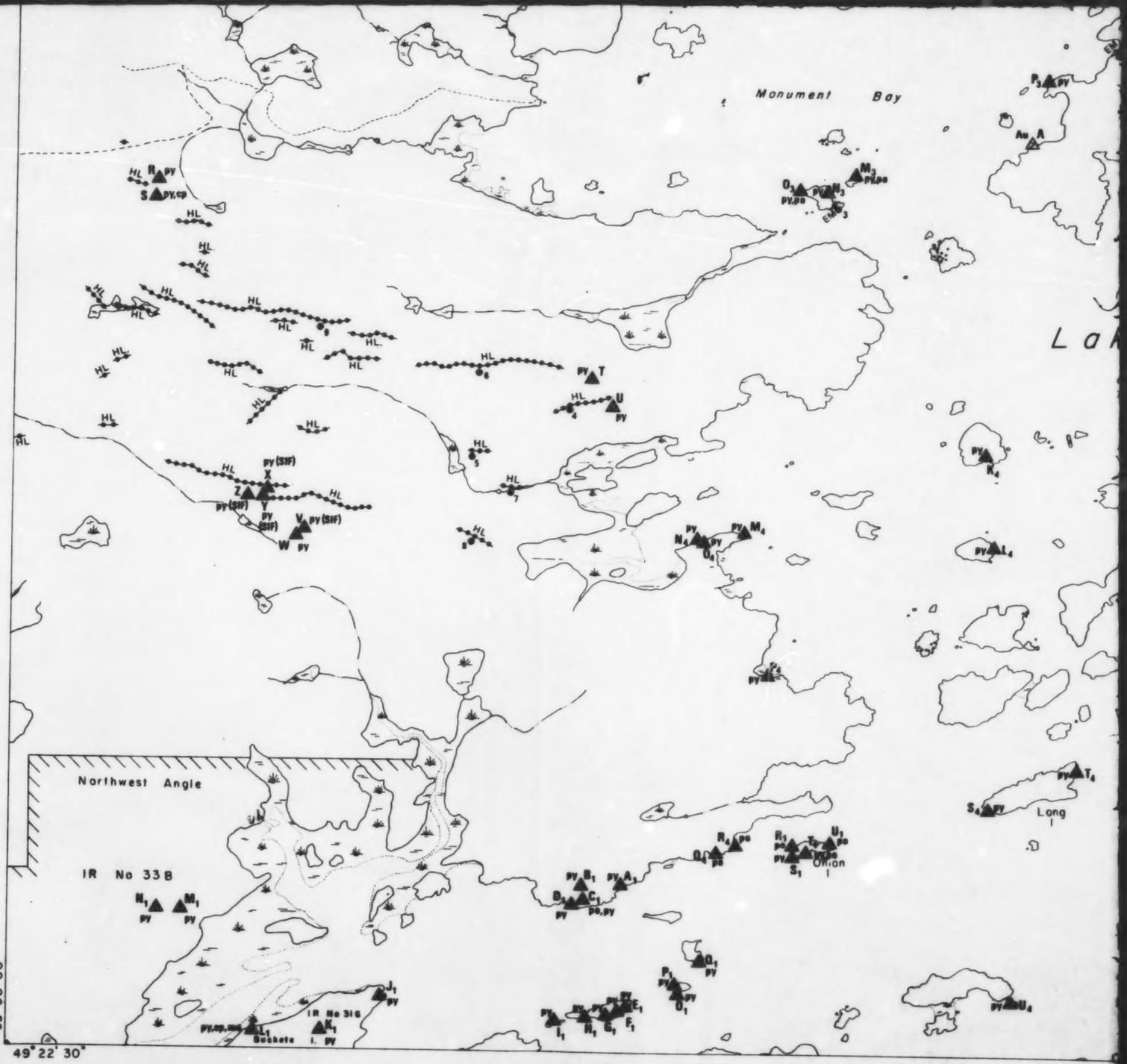
cp A. Mineral occurrence at surface, with reference letter

- Ground magnetic anomaly
- Ground electromagnetic anomaly (VL - Vertical loop; HL - Horizontal loop VLF - Very low freq.; Turam; JEM - Crone Em - 16); EM - method unknown
- Ground radiometric anomaly
- Induced polarization anomaly
- Self potential anomaly
- Audio-frequency magnetic anomaly (total intensity)
- Resistivity anomaly
- Gravity anomaly

MISCELLANEOUS DATA

- Trenching, pit
- Adit
- Open pit
- Rock quarry
- Sand and/or gravel pit

NOTE: Consult the text that accompanies this map for pertinent lists of data, references, and abbreviations.



Monument Bay

Cochrane I.

Lake of the Woods

Lily I.

Johnson Passage

Falcon Island

Long I.

Orion I.

Windigo Is.

IR No.37

49°22' 30"

94°45' 00"

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES

- Mineral occurrence at surface, with reference letter
- Mineral occurrence with shaft, depth given with reference letter
- Mineral occurrence reported but exact location uncertain, with reference letter
- Mineralized float with reference letter
- Mineral occurrence in drillhole, with reference letter, and drillhole number

DRILLHOLES

- Location of single drillhole, with reference number
- Location of closely spaced group of drillholes, with reference number
- Drillhole, exact location uncertain, with reference number
- Property with underground drillholes in this general area, with reference number
- Property with drillholes which have not been plotted on map, with reference number
- Reverse circulation drillhole; churn drilling, with reference number

Cochrane

Lily I.

Johnson Passage

Falcon

Island

Woods

Windigo Is.

IR No.37

94°49'00"

49°22'30"